

## Record speeds with the two new Bobst platen presses!

The Autoplaten 102 series has grown by two new models! There are two good reasons for this extension, one commercial and the other technological...

First, on commercial grounds: with its efficiency and high speed, the Autoplaten 102 was a success from the start. In only 5 years, almost 300 of these machines have been installed all over the world, and are running to the entire satisfaction of their users.

Then, technologically: due to Bobst's long experience and continuing research, it was possible to respond to the new demands of the industry. Five years ago, 7500 sheets/hour was fast – today, production rates up to 9000 sheets/hour are needed, and Bobst machines can provide them. Computer simulation, laboratory trials, and intensive testing have paid off, and the results are here for all to see: two new high-speed models, one with delivery with the blanks separated, incorporating a number of technical innovations.

With a choice of five Bobst high-performance models, any user in any branch of the paperboard conversion industry can be certain of finding a machine to suit his requirements.

### Pile delivery

Non-stop delivery permitting periodic removal of single sheets for quality control, as well as removal of completed piles, without interrupting production.

Bobst-Electronic counter for preselecting the desired number of sheets per pile. Pile of completely waste-stripped die-cut sheets are removed either from the front or the side of the machine.

Device for automatic removal of completed piles and automatic pallet introduction (optional).

Front trim removal.

### Sheet transport

New gripper bar motion, giving "gentle" sheet transport even at highest speeds.

Grippers located at the bottom of the bar, favoring sheet stability while in motion.

Accurate gripper bar positioning and locking during cutting and stripping phases.

Automatic chain tensioning and lubrication.

Sheet transport controlled by infrared photocells, applicable for both opaque and transparent materials, but insensitive to dust deposits.

### Die-cutting

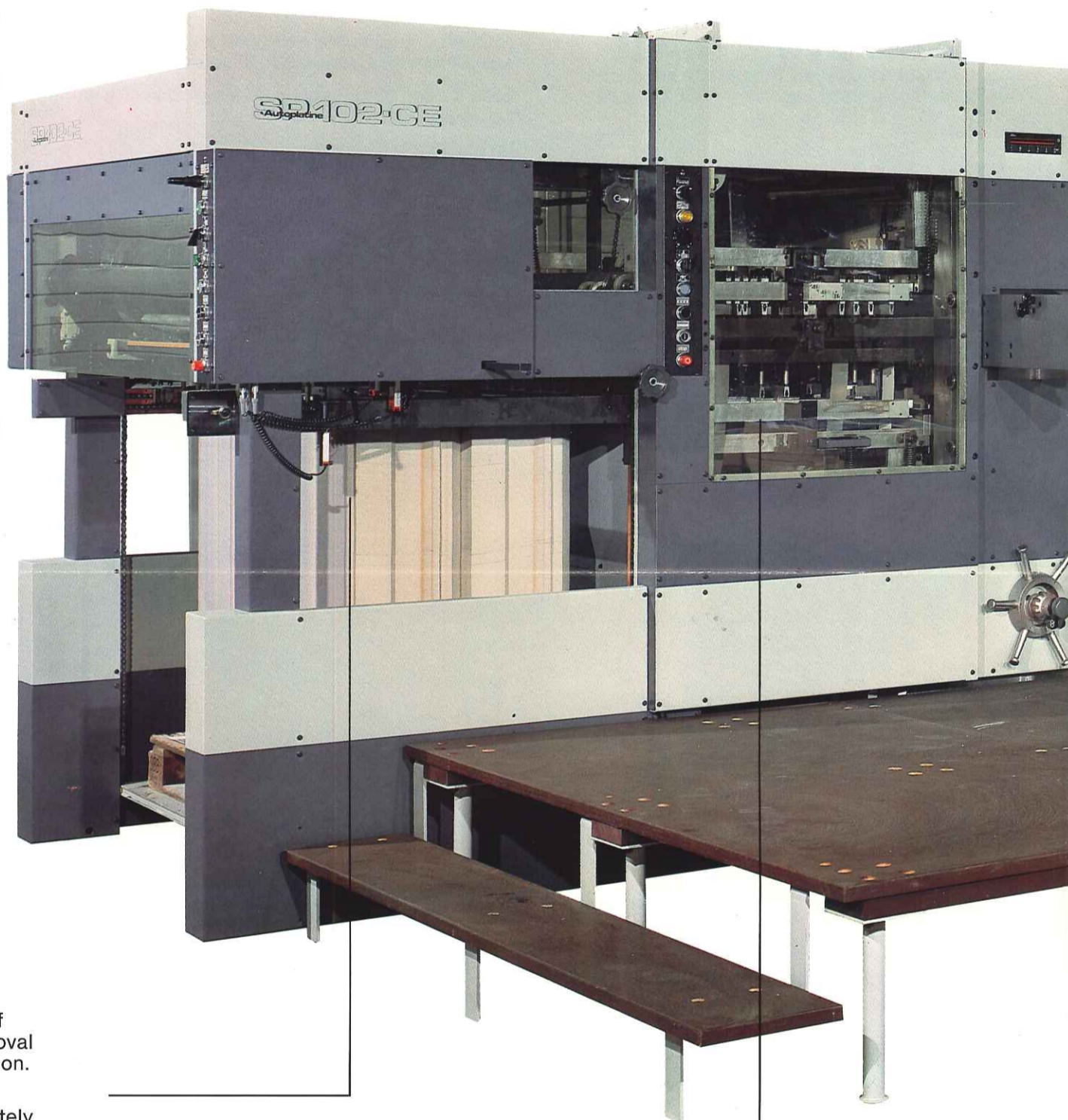
New toggle-driven press design, with short platen stroke allowing high-speed action.

New automatic chase and counterplate locking system, giving immediate access to cutting and embossing dies.

Capability of die-cutting without gripper margin.

Cutting pressure permanently displayed, and adjustable with the machine either running or stationary.

New oil conditioning system, with heating, cooling, and timer for automatic switch-on of the system. Keeping the lubrication oil and the machine components at a constant temperature ensures virtually perfect cutting accuracy and pressure stability.



### Waste stripping

Three drawer-type frames are provided for off-machine preparation of all stripping tools on a presetting table.

Three types of stripping tools can be used, according to the needs of the job: standard stripping pins fastened to the frames, one-piece stripping dies, or quick-lock tools.

# 9000 sheets/hour



with the new

## Autoplaten SP 102-CE

for die-cutting and embossing  
folding boxes and packaging

### Feeding

Piles of sheets on pallets are loaded from the front or the side, or are preloaded on rail-mounted trolley (optional).

New system for centering and continuously correcting piles loaded on pallets.

Automatic or semi-automatic non-stop system (optional).

Bobst-designed feeder, fully equipped for feeding thin paper, solid board, and E or B-flute corrugated board.

New preregistering and sheet synchronizing systems, ensuring controlled, accurate register even at highest speeds.

Four front guides, for selection as required, with individual adjustment and dust-insensitive induction detectors.


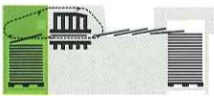





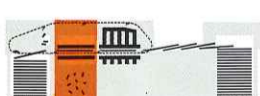








Side guides convertible to push guides, for working with corrugated board.

### Controls

Easy operation due to multiple control stations at strategic points and a light display on the main control station.

The machine is equipped with a complete safety system to protect operators, as well as to protect major machine components, from improper operation. These safety devices and all the electrical equipment are of the latest design and in accordance with the highest engineering standards.



<b>AUTOPLATEN</b> <b>Type SP</b> <b>Size III b</b> <b>102 x 72 cm</b> <b>(40<math>\frac{1}{8}</math>" x 28<math>\frac{3}{8}</math>")</b>	<b>The five SP 102 Autoplaten models, and their different applications:</b>				
	<b>Cutting and creasing</b> <b>Cold embossing</b>	<b>Hot foil stamping</b> <b>Hot embossing</b>	<b>Complete waste stripping</b>	<b>Pile delivery of sheets</b>	<b>Delivery with blanks separated</b>
	<b>SP 102</b> 8500 sh/h 				
	<b>SP 102-E</b> 7500 sh/h 				
	<b>SP 102-BMA</b> 7500/5000 sh/h 				
	<b>SP 102-CE</b> 9000 sh/h 				
	<b>SP 102-CER</b> 8000 sh/h 				

# 8000 sheets/hour

for die-cutting and embossing  
folding boxes and packaging  
with the new

## Autoplaten SP 102-CER with delivery with the blanks separated

### Waste stripping

Three drawer-type frames are provided for off-machine preparation of all stripping tools on a presetting table.

Three types of stripping tools can be used, according to the needs of the job: standard stripping pins fastened to the frames, one-piece stripping dies, or quick-lock tools.



### Delivery of separated blanks or conventional pile delivery

Two pull-out drawer-type frames, similar to those at the stripping station, allow the upper and lower blank separation tools to be installed quickly and accurately. Either adjustable universal tools or tools manufactured for the job may be used, and prepared off-machine on the same presetting worktable.

The separated blanks are delivered in batches, but conventional pile delivery, with or without front trim, is also possible. The number of blanks per batch and per pile can be preselected on the Bobst-Electronic counter.

The pile is stabilized, and the batches separated, by binder sheets inserted at predetermined intervals. (also possible in conjunction with conventional pile delivery).

Front trim or waste skeleton removed automatically.

Entire sheets with blanks still intact may be removed periodically, for quality control.

Automatic pile removal with automatic pallet insertion without production interruption.

### Sheet transport

New gripper bar motion, giving "gentle" sheet transport even at highest speeds.

Grippers located at the bottom of the bar, favoring sheet stability while in motion.

Accurate gripper bar positioning and locking during cutting and stripping phases.

Automatic chain tensioning and lubrication.

Sheet transport controlled by infrared photocells, applicable for both opaque and transparent materials, but insensitive to dust deposits.



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# New horizons in folding box production with the two new Bobst high-speed presses!

## Die-cutting

New toggle-driven press design, with short platen stroke allowing high-speed action.

New automatic chase and counterplate locking system, giving immediate access to cutting and embossing dies.

Capability of die-cutting without gripper margin.

Cutting pressure permanently displayed, and adjustable with the machine either running or stationary.

New oil conditioning system, with heating, cooling, and timer for automatic switch-on of the system. Keeping the lubrication oil and the machine components at a constant temperature ensures virtually perfect cutting accuracy and pressure stability.

## Feeding

Piles of sheets on pallets are loaded from the front or the side, or are prepled on rail-mounted trolley (optional).

New system for centering and continuously correcting piles loaded on pallets.

Automatic or semi-automatic non-stop system (optional).

Bobst-designed feeder, fully equipped for feeding thin paper, solid board, and E or B-flute corrugated board.

New preregistering and sheet synchronizing systems, ensuring controlled, accurate register even at highest speeds.

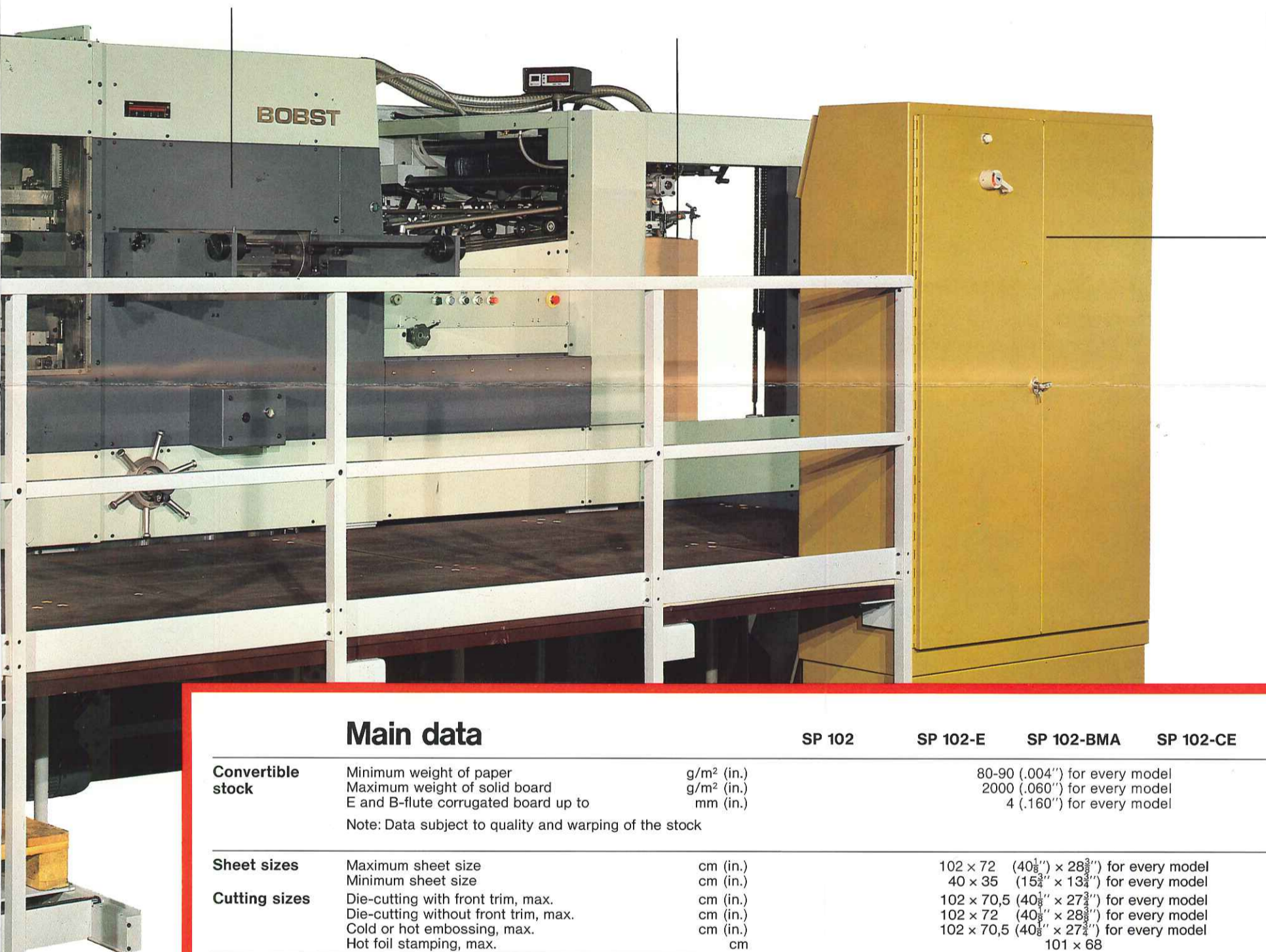
Four front guides, for selection as required, with individual adjustment and dust-insensitive induction detectors.

Side guides convertible to push guides, for working with corrugated board.

## Controls

Easy operation due to multiple control stations at strategic points and a light display on the main control station.

The machine is equipped with a complete safety system to protect operators, as well as to protect major machine components, from improper operation. These safety devices and all the electrical equipment are of the latest design and in accordance with the highest engineering standards.



## Main data

Main data			SP 102	SP 102-E	SP 102-BMA	SP 102-CE	SP 102-CER
Convertible stock	Minimum weight of paper	g/m <sup>2</sup> (in.)	80-90 (.004'') for every model				
	Maximum weight of solid board	g/m <sup>2</sup> (in.)	2000 (.060'') for every model				
	E and B-flute corrugated board up to	mm (in.)	4 (.160'') for every model				
	Note: Data subject to quality and warping of the stock						
Sheet sizes	Maximum sheet size	cm (in.)	102 × 72 (40 <sup>1</sup> / <sub>8</sub> '') × 28 <sup>3</sup> / <sub>4</sub> '') for every model				
Cutting sizes	Minimum sheet size	cm (in.)	40 × 35 (15 <sup>3</sup> / <sub>4</sub> '') × 13 <sup>3</sup> / <sub>4</sub> '') for every model				
	Die-cutting with front trim, max.	cm (in.)	102 × 70,5 (40 <sup>1</sup> / <sub>8</sub> '') × 27 <sup>3</sup> / <sub>8</sub> '') for every model				
	Die-cutting without front trim, max.	cm (in.)	102 × 72 (40 <sup>1</sup> / <sub>8</sub> '') × 28 <sup>3</sup> / <sub>4</sub> '') for every model				
	Cold or hot embossing, max.	cm (in.)	102 × 70,5 (40 <sup>1</sup> / <sub>8</sub> '') × 27 <sup>3</sup> / <sub>8</sub> '') for every model				
	Hot foil stamping, max.	cm	101 × 68				
Cutting and creasing	Adjustable gripper margin range	mm	8 - 17	8 - 17	8 - 17	8 - 14	8 - 14
	Height of cutting rules	mm (in.)	23,8 (.937'')	23,8 (.937'')	23,8 (.937'')	23,8 (.937'')	23,8 (.937'')
	Minimum width of double cuts	mm (in.)					5 (.200'')
Performance data	Maximum impressional strength (adjustable)	MN (t/UST)		2,5 MN (250 tons or 275 US tons) for every model			
	Maximum production speed	sh/h	8500	7500	7500	9000	8000
	Max. speed for hot embossing	sh/h			5000		
Pile heights	Pallet loading	cm (in.)	135 (53'')*	135 (53'')*	176 (69'')	135 (53'')*	135 (53'')*
	Pallet loading with non-stop operation	cm (in.)	105 (41'')*	105 (41'')*	146 (57'')	105 (41'')*	105 (41'')*
	Trolley loading	cm (in.)	140 (55'')*	140 (55'')*	181 (71'')	140 (55'')*	140 (55'')*
	Trolley loading with non-stop operation	cm (in.)	110 (43'')*	110 (43'')*	151 (59'')	110 (43'')*	110 (43'')*
	Delivery	cm (in.)	120 (47'')*	120 (47'')*	161 (63'')	120 (47'')*	120 (47'')*
Power ratings and weight	Main drive motor	kW (hp)	11 (15)	11 (15)	11 (15)	15 (20)	15 (20)
	Total connected load	kVA	30	30	50	55	55
	Net weight of machine	t (UST)	12 (13,5)	14 (15,5)	15 (16,5)	16 (18)	17 (19)
Space requirements	Length with pallet feeder	m (ft.)	4,80 (15 <sup>3</sup> / <sub>4</sub> )	5,75 (19')	5,75 (19')	5,80 (19')	7,05 (23 <sup>1</sup> / <sub>4</sub> )
	Length with "universal" feeder	m (ft.)	6,25 (20 <sup>1</sup> / <sub>2</sub> )	7,20 (23 <sup>3</sup> / <sub>4</sub> )	7,20 (23 <sup>3</sup> / <sub>4</sub> )	7,25 (23 <sup>3</sup> / <sub>4</sub> )	8,50 (28')
	Overall width	m (ft.)	3,25 (10 <sup>3</sup> / <sub>4</sub> )	3,95 (13')	4,50 (14 <sup>1</sup> / <sub>2</sub> )	4,75 (15 <sup>1</sup> / <sub>2</sub> )	5,05 (16 <sup>1</sup> / <sub>2</sub> )
	Height	m (ft.)	2,10 (7')*	2,10 (7')*	2,51 (8 <sup>1</sup> / <sub>4</sub> )	2,15 (7')*	2,15 (7')*

\* Note: Machine may be raised 41 cm (16 in.) on request.